
EPSON SYSTEM PRODUCT GUIDE 2009

POS TERMINAL IR
PRINTERS TM SERIES
CUSTOMER DISPLAYS DM-D SERIES
EPSON DISCPRODUCER™



EPSON®
EXCEED YOUR VISION

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THE BEST HARDWARE SOLUTIONS FOR YOUR BUSINESS

Since its establishment, Epson has continued to strive to define new standards of performance and ease of operation.

Our aim is total customer satisfaction. To achieve this, we look at the task at hand, and combine our extensive database and technical expertise with our considerable experience to deliver the optimum solution.

Naturally, we also take advantage of our global network to keep abreast of the latest trends worldwide.

By doing this, we are always able to provide value-added products that respond precisely to changing needs.

Innovation – it's all part of Epson's customer first approach.



IN HARMONY WITH THE ENVIRONMENT

In line with its commitment to maintaining harmony with nature, Epson has implemented a wide range of measures to protect the environment. These began more than ten years ago, with the declaration that the company would stop using CFCs. Other examples include the reduction of CO₂ emissions at factories and facilities, reduction of waste materials, and recycling. This careful attention to the environment has enabled a number of Epson factories to acquire ISO14001 certification.

UNRIVALLED QUALITY

All Epson products have one thing in common – outstanding quality. This is the result of the careful attention we pay to customers' particular requirements. Thanks to this superior quality, Epson was the first mini printer manufacturer to acquire accreditation for ISO9001, the strictest of the ISO9000 international quality standards, covering every aspect of quality control, from quality assurance systems to services. ISO9001 compliance is just another example of the measures Epson takes to bring you total product satisfaction.

EPSON ECOLOGY LABEL

The Epson Ecology Label is a voluntary labelling (Type II) system applicable to all Epson products. Epson develops new products based on its own evolving set of environmental standards and discloses the products' compliance through the label. The products with this label are Epson Ecology Products. Refer to the web site (<http://www.epson.co.jp/e/>) for the standards in detail.

EPSON TAKES THE INITIATIVE FOR YOUR SOLUTION

Setting the standards by providing revolutionary products for a wide range of applications. The facts speak for themselves. In the area of hardware, Epson has continued to provide countless solutions, such as the TM-C100, the full colour inkjet printer for POS applications. With regards to software, Epson took the initiative by introducing ESC/POS®, a proprietary POS printer command system including patented commands and enabling versatile POS system construction with high scalability. Compatible with all types of Epson POS printers and displays, this proprietary control system also offers the flexibility to easily make future upgrades. Its popularity is worldwide. Another world first was OLE POS (OPOS) OCX driver software for application software development support in Windows NT®, Windows® 2000, Windows® XP, WEPOS and Vista environments. For software development

support in Java™ environments, there's JavaPOS™. These and other innovations are why Epson is a leader in its field. It's all a matter of taking the initiative.

SATISFYING NEEDS

Whenever there's a need, Epson is there with just the right solution. The TM Series lineup offers models to print everything from receipts, sales slips and journals to tickets, cheques and invoices. And for retail and hospitality businesses, the IR Series features an easy-to-use touch panel.

OVER 30 YEARS OF SATISFACTION

For over a quarter of a century Epson has been the world's top manufacturer of printers. During this time, we have produced an incredible 270 million of our famous mini printers. At retail outlets, in hotels, hospitals, car rental centres, banks – wherever you look, you'll find an Epson printer contributing to improved productivity and efficiency.

EPSON ROOTS

Epson's first major product was a digital watch featuring micromechanics and electronic technology. This was followed by a printing timer used as the official timekeeper at the 1964 Olympics. Four years later there came the EP-101, the world's first electronic calculator mini printer. This ultra-compact printer was a huge hit worldwide and heralded the start of Epson's multi-faceted business expansion, giving rise to many other products or "sons." Actually, the name EPSON is a combination of the EP from the EP-101 and SON. EPSON. A name associated with cutting-edge, high quality products around the world.



POS TERMINALS

The IR-700 is the all-in-one POS terminal with compact design and improved performance that is the powerful successor to the IR-320. Continuing with the outstanding expandability and an integrated concept, the IR-700 offers even more flexibility through an increased number of peripherals and options that suit your requirements.

EPSON IR-700 INTELLIGENT REGISTER

STYLISH AND COMPACT DESIGN

The IR-700 boasts an attractive contemporary design that complements any store environment. Its small footprint makes the IR-700 fit snugly on your counter, freeing up valuable counter space. Cable connections are also inset behind the system and maintain a neat appearance, saving even more space. Furthermore, the IR-700 can be installed either horizontally or vertically to fit to store space. With its outstanding flexibility and compactness, the IR-700 makes your communication with the customer and your store operation much improved.

USER-FRIENDLY TOUCH PANEL

The IR-700's large display is easily readable thanks to the TFT screen, and you can choose between a 12.1" or 15.0" touch panel. Its high performance touch panel is incredibly easy to use, helping to reduce inputting errors while reducing training time and costs.



FLEXIBLE PRINTING AND EASY OPERATION

You can choose either the standard thermal receipt printer or another printer to meet your needs. The thermal receipt printer offers high speed printing and convenient drop-in paper loading. If you attach the optional printer tray for TM-T90/L90, both receipt and label printing are available in one printer. There's also an optional dummy printer cover, which lets you use other Epson TM series printers.



Dummy printer cover



Printer tray for TM-T90/L90



Easy paper load



VARIOUS AND FLEXIBLE OPTION

A wide range of options are selectable for customising your system. These include an MSR unit, a 28-key or 60-key keyboard unit, and a selection of customer displays. These options allow you to upgrade your system easily and to customise it freely to meet your needs.



MSR unit



28-key keyboard unit
with MSR unit



60-key keyboard unit



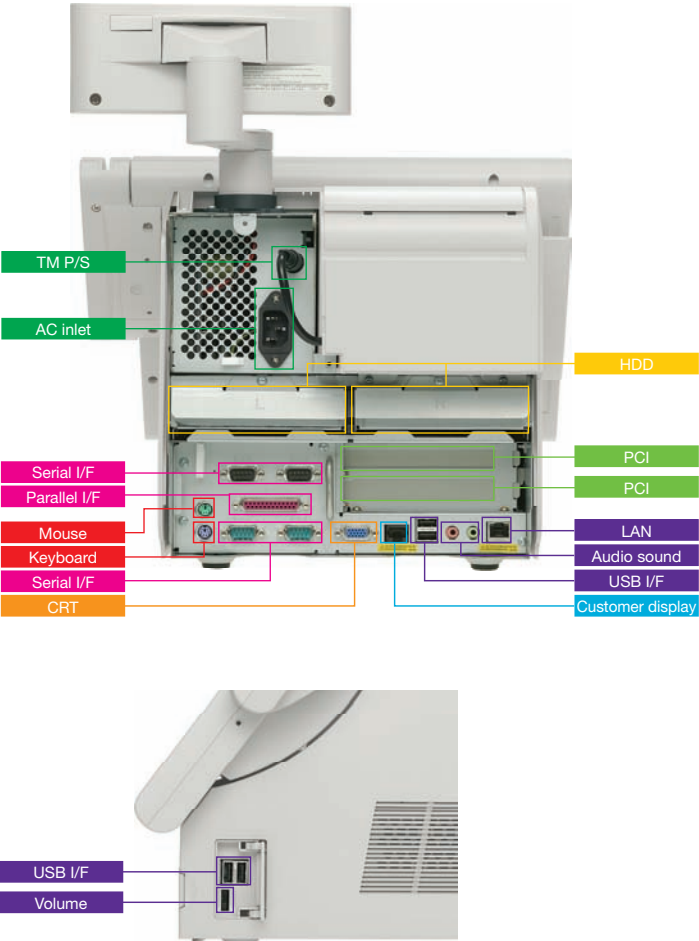
EASY MAINTENANCE

It is very easy to replace or access devices such as the motherboard, HDD, LCD, and printer. So you can reduce the downtime at the store and save maintenance costs.



Easy maintenance

MULTIPLE INTERFACES FOR EXCEPTIONAL EXPANDABILITY



SPECIFICATIONS

CPU	Pentium® M 1.8 GHz / Celeron® M 1.3 GHz
Memory	184-pin DDR SDRAM DIMM slots x 2 (1 GB max.)
Storage	HDD: Can be equipped with 3.5-inch x 2, CompactFlash® card slot x 1
Slots	PCI x 2
I/O	Serial (external x 4) w/5 V and 12 V power for external by jumper switches parallel x 1 (EPP/ECP supported) USB x 4 ethernet x 1 (10 BASE-T / 100 BASE-TX), wake on LAN support PS/2 x 2 (for keyboard and mouse) CRT x 1 customer display x 1 24 V drawer port x 1 sound: output to the built-in speaker, external line input / output, microphone input
Video	Built-in on chipset (capable of dual display)
Others	
Power connector	For built-in (TM-T88IIIIX) / external printer and powered USB board (24V)
Power switch	Software switch on front / accidental power off protection
BIOS	ACPI 1.0b, APM 1.2, Plug and Play, DMI
OS supported	Windows® 2000 Professional SP4 or later, Windows® XP Professional SP2 or later
Size base unit	250 (W) x 340 (D) x 254 (H) mm (with rear cover)
Printer units	
Thermal printer	TM-T88IIIIX (80 mm paper roll)
Printer tray	Printer tray for TM-T90 / L90
Printer cover	Dummy printer cover
LCD with touch panel	15.0" TFT colour (1,024 x 768), resistive touch panel (355 (W) x 280 (H) mm) 12.1" TFT colour (800 x 600), resistive touch panel (314 (W) x 254 (H) mm)
Options	
Customer display	VFD (20 x 2-line display or 256 x 64 dots graphic display), w/clamp pole, w/extended pole (125 mm)
MSR unit	ISO 1 ,2 and 3 track, fixed to LCD or keyboard unit
POS keyboard unit	60-key unit, programmable, 28-key unit, programmable
Others	Vertical stand
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS CISPR22 class A
Safety standards	UL / CSA / EN



FAST SOLUTION FOR MULTIPLE PRINTING NEEDS

When Epson designs a printer, it takes everything into consideration, not just whether you want receipt, journal, ticket or other output. This means there's an Epson printer ready to deliver all the functions and features you need while meeting your connection and security requirements. Take a look at what Epson has to offer.

VARIETY

TECHNOLOGY LINEUP

Impact, thermal, hybrid and inkjet printers for a wide range of applications.

TWO CASE COLOURS

Epson dark gray available for hospitality businesses and stores aiming for interior colour coordination.



STATION LINEUP

A huge range of models including 1 station, 1.5 station, 2.5 station, Slip, and Label printers.

ADVANCED TECHNOLOGY

INDUSTRY-LEADING INNOVATION

Epson doesn't just focus on hardware development. OLE POS application software simplifies POS application development in Windows® through the use of modules and objects.

It also enables control of POS devices regardless of the kind of hardware.

JavaPOS™ does the same for application development in a Java™ environment.

There's also ESC/POS®, Epson's proprietary control system enabling versatile POS system construction with high scalability.

Other examples of Epson's cutting-edge technology include customer displays ready to support USB and Ethernet interfaces.



USB interface



Ethernet interface

SECURITY



MAINTENANCE MEMORY

Number of lines printed and number of cutter operations performed are stored in memory to help decide when maintenance is required.

SWITCH COVER

Prevents accidental switch operation.



CABLE MANAGEMENT

Eliminates untidy cables while assuring firm connection.



SECURITY PLUG

Prevents accidental unplugging.(PS-180)



Locked Unlocked

EXPANDABILITY

UNIVERSAL INTERFACE

Wide range of interfaces to meet customers' current needs while enabling future upgrades.



TECHNOLOGY AT A GLANCE

	IMPACT	THERMAL	HYBRID	INKJET
Features	Extremely durable Low maintenance requirements Epson models feature 9-pin technology for superior quality	Fast and quiet Direct printing to paper eliminates need for ribbon Easy paper loading	Combine thermal and impact printing capabilities	Fast and silent Ideal printers for PC output Plain paper printing capability 2-colour / Full-colour printing
Good for	Speed and clarity Low consumables cost (ribbons, plain paper) Capabilities such as cheque endorsement, validation etc. Multi-part printing Kitchen environments	Virtually silent printing High-resolution graphics High-speed output Printing labels and tickets Barcode printing	Quiet, high-speed operation High-resolution graphics Multi-part printing Enable cheque endorsement, validation etc.	Speed and print clarity High-resolution graphics High-speed printing Barcode printing capability Highlight printing (company logos etc.)
Recommended Epson printers	TM-U950 TM-U675 TM-U375 TM-U325 TM-U220 Series TM-U230 TM-U590 TM-U295	TM-P60 TM-T70 TM-T88IV TM-L60II TM-T90 TM-L90	TM-H6000III TM-H5000II	TM-C3400 TM-C100 TM-J7000 Series TM-J9000 Series

 Automatic status back function	 Auto feed paper loading	 Two-colour printing	 Pigment ink	 Maintenance memory	 Multi language
 Easy paper roll setting	 Autocutter	 Full-colour printing	 MICR	 Display port	 Dark gray

EPSON SETTING POS STANDARDS

UNIFIED POS RELATED DRIVERS

Unified POS combines two existing device interface standards (OPOS and JavaPOS™) in one specification of Point of Service Devices. Epson is a key player in these areas (Unified POS, OPOS and JavaPOS™), and promotes the standardisation of peripheral device control drivers for the retail market. At the same time, we also provide drivers to a wide range of customers to support POS applications development. Working from customer feedback, our future aims include offering still better functions.



EPSON OPOS ADK

Epson OPOS ADK, provides the versatility and convenience of applications development in Windows® 2000, Windows® XP, Vista and WEPOS environments. Besides dramatically reducing the number of application steps, Epson OPOS ADK makes system upgrading pretty easy.

OPOS ARCHITECTURE

POS Application
OPOS CO
SO
Windows® OS
Peripherals

EPSON JAVAPOS™ ADK

Java™ is a platform-independent language widely used for POS and other applications. JavaPOS™ standard API makes peripheral devices easy to operate and supports quick system startup.

JavaPOS™ ARCHITECTURE

JavaPOS™ Application
JavaPOS™ Device control
Device services
Java VM Comm API
OS
Peripherals

STANDARD SPECIFICATIONS

- ~ UPOS 1.11
- ~ JavaPOS™ PG 1.9

INKJET PRINTERS

Using its original SEAJet® technology, Epson brings you an impressive range of inkjet printers for POS applications. Printers in the range provide a number of outstanding features such as graphic and 2-colour / Full-colour printing, and low cost of ownership.

EPSON TM-C3400

INKJET PRINTER

COLOUR LABELS ON DEMAND

The TM-C3400 produces full colour labels for a wide variety of applications. The healthcare market can print critical information in colour on patient wristbands, specimens and blood bags. In retail, colour can be used to promote offers and create labels for accurate tracking. And for events, tickets, passes, wristbands and badges can all be created on demand.

HIGH QUALITY, HIGH SPEED COLOUR PRINTING

Epson's long lasting pigment ink prints on a variety of media, from 30mm to 112 mm, up to 0.2mm thick and on fanfold format paper. A full cut auto-cutter comes as standard.

Designed for easy operation the consumables are be effortlessly changed and front operation means the TM-C3400 can be installed under the counter.

EASY INTEGRATION

For easy integration with existing systems the interface options include USB 2.0 and Ethernet.

VARIOUS PAPERS USABLE

The versatile TM-C3400 suits a wide range of printing needs and applications. Various paper media (plain paper, fine paper, synthetic paper PET film, Receipt paper, continuous label paper, Die-cut label paper) and media sizes are selectable.

IDEAL FOR A WIDE RANGE OF APPLICATIONS

MEDICAL

For hospitals, laboratories, clinics, senior homes. Wristbands, mealtags and labels for medication, specimens and bloodbags.

EVENTS

Entrance tickets, ski lift-passes, guest wristbands, event passes, visitor badges.

LOGISTICS

Shipping labels, security/priority/caution.

RETAIL

POP info, price tags, shelf labels, recipes, ingredients.

FACTORY

Part labels, inventory labels, caution.

TRANSPORT

Baggage tags, boarding tickets (IATA).



EPSON TM-J7000 SERIES

HIGH QUALITY INKJET PRINTING

Thanks to Epson's world-renowned inkjet printing technology, its TM-J7000 series printers for POS systems provide users with superb inkjet printing quality on receipts and slips. These printers are capable of printing logos and graphics, and the TM-J7100/ J7600 adds a new dimension with attractive 2-colour output.

HIGH PERFORMANCE

Despite its small footprint and compact size, the TM-J7000/J7100 boasts exceptional performance. Thanks to Epson's original technology, endorsement on the reverse side of personal cheques is possible in a single pass, cutting the time taken for this operation to a mere 12 seconds, a fraction the speed of conventional printers.



INKJET PRINTER

Print method	Serial inkjet dot matrix (180 dpi x 180 dpi)
Print Font	12 x 24 / 9 x 17
Column capacity (col)	Receipt: 82.5 mm: 42 / 56 76 mm: 40 / 53 69.5 mm: 36 / 48 57.5 mm: 30 / 40 Slip: 48 / 64 Endorsement: 46 / 61 (for J7000 / J7100) Slip: 80/106 (for J7500 / J7600)
Character size (mm)	1.69 (W) x 3.38 (H) / 1.27 (W) x 2.40 (H)
Character set	95 Alphanumeric, 37 International, 128 x 11 Graphic, Bar code: UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), CODE39, CODE93, CODE128, ITF, CODABAR(NW7), Two-dimensional code: PDF417
Characters per inch	15 cpi / 20 cpi
Interfaces	RS-232, bi-directional parallel, RS-485, USB, 10 Base-T I/F
Data buffer	4 KB
Print speed	Character: 14.3 lps Graphic: 43 mm / sec. (Paper width 76 mm, Economy, High speed mode)
Paper Dimensions (mm)	Receipt: 57.5 ± 0.5, 69.5 ± 0.5, 76 ± 0.5, 82.5 ± 0.5 Slip: 68 to 230 (W) x 68 to 297 (L) (min. 68 x 152) Endorsement: 68 to 101.6 (W) x 150 to 223 (L) (for J7000 / J7100)
Thickness (mm)	Receipt: 0.06 to 0.09 Slip: 0.09 to 0.2 Endorsement: 0.09 to 0.13 (for J7000 / J7100)
Ink cartridge	Single colour: SJIC8 (K) : Black (for J7000 / J7500 only) Two colour: SJIC6 (K) : Black, SJIC7 (R) : Red, SJIC7 (B) : Blue, SJIC7 (G) : Green (for J7100 / J7600)
Ink life (characters)	Single colour: Approx. 20,000,000 Two colour: Approx. 15,000,000 (2 colours combined)
Power	24 VDC ± 10%
Power consumption	Operating: Approx. 0.5 A Stand-by: Approx. 70 mA (for J7000 / J7100) Stand-by: Approx. 80 mA (for J7500 / J7600)
D.K.D. function	2 drivers
Reliability MTBF	180,000 hours
MCBF	50,000,000 lines
Overall dimensions (mm)	195 (W) x 237 (D) x 188 (H) (for J7000 / J7100) 251 (W) x 237 (D) x 188 (H) (for J7500 / J7600)
Mass (approx.)	4.4 kg (for J7000 / J7100), 4.9kg (for J7500 / J7600)
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	PS-180 (option)
Factory options	MICR device, Endorsement Printing (for J7000 / J7100)
Safety standards	UL / CSA / EN

EPSON TM-C100

FULL-COLOUR INKJET PRINTER FOR BUSINESS USE

The TM-C100 is a high performance inkjet printer for on demand full-colour printing specially designed for business use. With its outstanding performance, your communication with the customer and your store operation will be dramatically improved.

HIGH DURABILITY

The reliability is there. Plus a wide range of handy features including automatic paper cutting and easy paper loading and ribbon changing.

COMPACT AND SPACE SAVING

The compact design with a small footprint means the printer fits snugly on your counter with a width of only 210 mm (8.27 in), freeing up valuable counter space.

HIGH-PERFORMANCE FULL-COLOUR PRINTING

Offers high-performance full-colour printing using 4-colour pigment ink (CMYK in a 4-colour combined ink cartridge). Its superior water-proof and lightfast performance meets business application needs.



INKJET PRINTER

	ROLL PAPER MODEL	AUTO SHEET FEEDER MODEL
Print method	Serial inkjet dot matrix (Max. 360 dpi x 360 dpi)	
Print Font	Barcode and font support by windows driver JAN13 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR(NW7), Two-dimensional code: PDF417. True Type Fonts	
Bar code		
Interfaces	USB	
Print speed Four-colour	Max. 35 mm / sec. (printing width: 60 mm, 180 dpi x 180 dpi, bi-directional printing)	
Single-colour	Max. 51 mm / sec. (printing width: 60 mm, 180 dpi x 180 dpi, bi-directional printing)	
Paper Type	Normal paper, exclusive paper (fine/mat), Normal continuous label paper	Normal paper, exclusive paper (fine/mat)
Dimensions (mm)	Roll paper: 45 to 105 (W) x dia. 90.0	ASF: 55 to 135 (W) x 85 to 210 (L) Insertion by hand: 49 to 210 (W) x 120 to 297 (L)
Thickness (mm)	Roll paper: 0.06 to 0.23	ASF: 0.08 to 0.25 insertion by hand: 0.08 to 0.25
Ink cartridge Four-colour	SJIC9P (4-colour combined, pigment ink)	
Single-colour	SJIC10P(K) (Black, pigment ink)	
Ink life Four-colour	660 pages (printable area 100 x 280 mm, with each of the colours covering 8.5% of the area, high speed mode printing)	
Single-colour	2,500 pages (printable area 100 x 150 mm, with each of the colours covering 6.0% of the area, high speed mode printing)	
Power	AC adapter (included)	
Power consumption	Operating : Approx. 11W (mean)	
Reliability MTBF	180,000 hours	
MCBF	30,000,000 passes	
Overall dimensions (mm)	210 (W) x 345 (D) x 152 (H)	210 (W) x 367 (D) x 245 (H)
Mass (approx.)	2.0 kg	1.9 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B	
Power supply	Exclusive AC adapter (included)	
Safety standards	UL / CSA / EN	
Operating system	Microsoft Windows® 2000 Professional SP4 or later Microsoft Windows® XP Professional SP1 or later	

EPSON TM-J9000 SERIES

INKJET PRINTER

NEW BANKING PRINTER FROM EPSON

Now banks can take advantage of all the benefits of cheque imaging capture with Epson's family of inkjet printers featuring a card image scanner function and digital cheque imaging. In addition, these multifunction inkjet printers offer speedy high-resolution one- and two-colour receipt printing, drop-in validation and more.

EPSON ECOLOGY PRODUCT

This product is an Epson Ecology Product. The product is miniaturised by unifying many functions. This product has achieved the level equal to the TM-J7000: Stand-by mode, 4.9 W (with PS-180).

IMAGE SCANNER SPECIFICATIONS

	CHEQUE	CARD
Scanner type	Contact image sensor (CIS)	
Resolution	203 dpi	
Gradation	Bi-tonal (black/white), 256-level gray scale	256-level gray scale JPEG
Data compression method	Bi-tonal: CCITT/group4, JPEG	JPEG
Data transmission format	RAW / Bi-tonal: TIFF / 256-level gray scale: JPEG, TIFF, BMP	
Scanning area	100 mm (H) x Max. 254 mm (L)	60 mm (H) x 100 mm (L)
Scanning speed	300 mm / sec.	120 mm / sec.
Cheque scanner operation	30 Document Per Min. (without endorsement printer)	
Paper Type	Normal quality paper	ISO/IEC7810 compliant (except for embossed material)
Size	68 to 100 mm (H) x 152 to 230 mm (L) (min. 68 x 152 mm)	53.92 to 54.18 mm (H) x 85.47 to 85.90 mm (L)
Thickness	0.09 to 0.13 mm (single-ply)	0.5 to 0.84 mm
Curvature	-	2 mm or less (ISO/IEC7810)

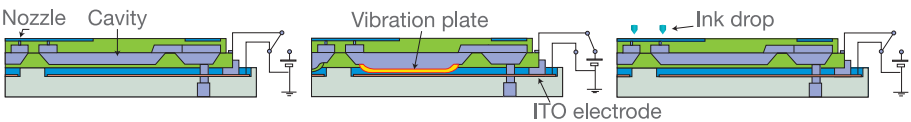
Print method	Serial inkjet dot matrix (180 dpi x 180 dpi)
Print Font	12 x 24 / 9 x 17
Column capacity (col)	Receipt: 40 / 53, Validation: 62 / 82
Character size (mm)	1.69 (W) x 3.38 (H) / 1.27 (W) x 2.40 (H)
Character set	95 Alphanumeric, 48 International, 128 x 11 Graphic, Bar code: UPC-A, UPC-E, JAN13 (EAN13), JAN8 (EAN8), CODE39, CODE93, CODE128, ITF, CODABAR (NW7)
Characters per inch	15 cpi / 20 cpi
Interfaces	USB 2.0, Dealer option: RS-232, Bi-directional parallel, Ethernet
Data buffer	4 KB
Print speed	Character: 14.3 lps (8 lines/inch), Graphic: 43 mm / sec. (Receipt: High speed mode, paper width 76 mm, full columns print)
Paper Dimensions (mm)	Receipt: 76, Validation: 68 to 100 x 152 to 230 (H x W)
Thickness (mm)	Receipt: 0.06 to 0.09, Validation: 0.09 to 0.13
Ink cartridge	Single colour: SJIC8 (K) : Black (for J9000 only) Two colour: SJIC6 (K) : Black, SJIC7 (R) : Red, SJIC7 (B) : Blue, SJIC7 (G) : Green (for J9100)
Ink life (characters)	Single colour: Approx. 20,000,000 Two colour: Approx. 15,000,000 (2 colours combined)
Power	24 VDC ± 10%
Power consumption	Operating: Approx. 1.0A, Stand-by: Approx. 0.2A
Reliability MTBF	180,000 hours
MCBF	2,960,000 transactions (This is an average failure interval based on failures relating to wear out and random failures up to the life of 1,000,000 transactions)
Life	1,000,000 sheets (including those for reading cheque paper and card)
Overall dimensions (mm)	466(389) (W) x 232 (D) x 180 (H) (with ASF) 310(236) (W) x 232 (D) x 180 (H) (without ASF)
Mass (approx.)	5.2 kg (with ASF) / 4.9 kg (without ASF)
EMC standards	VCCI class A, FCC class A, CE marking, AS/NZS CISPR22 class A
Power supply (option)	PS-180 (option)
Factory options	Auto Sheet Feeder (ASF) with Double Feed Detection Function and Pocket
Safety standards	UL / CSA / EN



SEAJet® TECHNOLOGY

SEAJet® is a newly developed original Epson inkjet technology aimed at small printers for POS and other commercial uses. This technology allows the development of compact print heads, energy efficient print heads, and gives POS printers high-resolution printing capability.

SEAJet® ACTING PRINCIPALS



EPSON TM-S1000

CHEQUE SCANNER

HIGH RELIABILITY CHEQUE AND COUPON SCANNER

Epson's TM-S1000 cheque scanner is ideal for banks and corporations that want to capture cheques using back office capture (BOC), remote deposit capture (RDC) or a combination of the two. The Epson cheque scanner comes in both a 30 DPM and 60 DPM version and provides one of the highest MICR accuracy of any desktop scanner on the market today. The TM-S1000 also features clear electronic endorsements, a double cheque detector that virtually eliminates double cheque feeding and a built-in franker that prints a static message on cheques to prevent double processing.

FLEXIBILITY TO MEET APPLICATION REQUIREMENTS

The TM-S1000 comes with two pocket support as a standard feature. This gives you the flexibility to process and segregate faulty or troublesome documents for an adequate handling avoiding slowing the process. In addition, the 100 sheet document feeder allows high volume processing.

EASY TO USE AND CONTROL

Whether you use TM-S1000 in the back office or at a busy teller station, the TM-S1000 has been designed for easy maintenance. The cheque scanning process is simple and replacing the franker unit is quick and easy with no special training required. The Scanner also features advanced self-diagnostics which keep the operator informed of the scanner status and clear error messages.

EPSON QUALITY AND RELIABILITY

With a MCBF of 2.47 million documents, the TM-S1000 has the reliability you need. As a world leading manufacturer of retail and office equipment, Epson offers high quality engineering with world class quality control and support.

Model	TM-S1000 (30 / 60 DPM)
Feeder	Automatic document feeder, capacity up to 100 documents, with double feed detection control (when the paper thickness is 0.13 mm or less)
Supported documents Type Size Thickness Weight	Normal paper (single-ply only) Length: 120 to 235 mm (4.72 to 9.25") Height: 68 to 120 mm (2.68 to 4.72") 0.075 to 0.2 mm (0.003 to 0.008") 60 to 120 g/m ² (16 to 32 lb)
Speed	Scan rate options of 30 or 60 documents per minute (DPM) depending on the model. Scan speed 500 mm / s (19.69"/s)
Pockets	Two output pockets. Main pocket capacity up to 100 documents. (when the paper thickness is 0.13 mm or less. However, the total thickness must be 13 mm or less including warps.) Sub pocket capacity up to 50 documents. (when the paper thickness is 0.13 mm or less. However, the total thickness must be 6.5 mm or less including warps.)
MICR	Magnetic fonts E13B and CMC7
Scanner	200 dpi (H) × 200 dpi (V), 120 dpi (H) × 120 dpi (V), 100 dpi (H) × 100 dpi (V), 256-level gray scale
Image format	JPEG (256-level gray scale) / CCITT Group4 (Black and White)
Franking Life of ink	Built in franking 18,000 prints (based on Epson's standard pattern used for printing)
Supported OS	Windows® 2000(SP4) / Windows® XP(SP2, 32bit) / Windows® Vista
Interface	USB 2.0
Standard accessories	Special franking cartridge × 1, User's manual × 1, Power button cover × 1, Power supply × 1 (Epson AC adapter, C), USB cable 170 cm (colour: Black), TM-S1000 Utility and Documents Disk × 1
Dimensions	176 mm (H) × 355 mm (W) × 160 mm (D) (6.93" × 14.0" × 6.30")
Weight	Approximately 4 kg (8.8 lb)



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THERMAL PRINTERS

Extremely fast, quiet output and exceptionally clear characters are just some of the advantages of thermal printers. There's no need to change the ribbon because printing is performed directly onto the paper. Paper loading is easy due to a simplified paper path. And label and ticket printing are possible including barcode capability.

EPSON TM-P60

THE TM-P60 – MOBILE WIRELESS PRINTER

The TM-P60 can go anywhere you need it to go. Built with Epson's famous quality and reliability, the TM-P60 is designed to meet the needs of both retail and hospitality for high-speed, on-the-go thermal receipt printing.

HIGH SPEED PRINTING AND AUTOCUTTER EQUIPPED

Offers clear, high-speed thermal printing up to 70 mm / sec. printing speed and equipped with an autocutter (receipt model). It makes operation more efficient and it will lead to an increase in customer satisfaction because the customers don't have to wait for printing.

EASY OPERATION

With one-hand paper and battery replacement, the TM-P60 is so easy to use that it requires almost no training. It will decrease not only the risk of breakdown but also the cost of educating operators.



LONG BATTERY LIFE

The TM-P60 offers an industry-leading battery life of up to 20 hours – long enough for a full shift of on-the-go receipt and order printing. It will surely increase the operational efficiency that decreases operational cost.

HIGH DURABILITY

The TM-P60 is built to survive drops from 1.2 m (3.9 ft.).

MAKE USE OF PROPRIETARY APPLICATIONS

The TM-P60 comes with widely used ESC/POS® command codes, and APD/OPOS/JavaPOS™ drivers are available, which means current applications written for Epson's popular TM-T88 series can instantly be used with the TM-P60 with minimum modification.

AVAILABLE FOR A WIDE RANGE OF PRINTING

The TM-P60 is designed to meet a wide range of printing needs, such as payment POS at restaurant tables, line busting POS in busy periods at department stores and fast food restaurants, and mobile POS for quick service at such locations as stadiums and amusement places.

MOBILE PRINTER

Print method	Thermal line printing
Print Font	12 x 24 / 10 x 24 / 8 x 16
Column capacity (col)	35 / 42 / 52 (58 mm), 36 / 43 / 54 (60 mm)
Character size (mm)	1.50 (W) x 3.0 (H) / 1.25 (W) x 3.0 (H) / 1.0 (W) x 2.0 (H)
Character set	95 Alphanumeric, 48 International, 128 x 10 Graphic Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR
Characters per inch	16 / 20 / 25 cpi
Interface	Bluetooth®, RS-232
Data buffer	128 bytes
Print speed	Max. 70 mm / sec.
Paper Dimensions (mm)	57.5 ± 0.5 (W) x dia. 51.0 (max.) (59.5 ± 0.5 (W) by removing the spacer installed)
Thickness (mm)	0.05 to 0.08
Operating temperature	0 to 50°C
Battery capacity	20 hours (It differs depending on the system environment. For detail, please contact your Epson representative.)
Reliability MTBF	120,000 hours
MCBF	16,000,000 lines
Autocutter life	500,000 cuts
Overall dimensions (mm)	103 (W) x 159 (D) x 65 (H)
Mass (approx.)	0.67 kg (including battery)
EMC standards	VCCI class B, FCC class B, CE marking
Power supply	PS-10
Accessories	Li-ion battery pack LIP-2500 x 1, Roll paper dia. 40 mm x1
Options	Quick charger: OT-CH60, RS-232 cable: OT-RS60 Spare battery: LIP-2500, Shoulder strap: OT-ST60
Safety standards	UL / CSA / EN



EPSON TM-T70

THERMAL PRINTER

FULL FRONT OPERATION

The first POS printer with front-facing controls, the TM-T70 is specifically designed for under counter operations in retail and hospitality. With a range of core, user-friendly features including front paper feeding with drop-in paper rolls, auto-cutter, remote maintenance counter and easy access operator covers, the TM-T70 enables fast, easy transactions and enhanced customer service.

ADVANCED AND HIGH-PERFORMANCE

Offering the high quality and reliability of Epson's world renowned TM-T88 series, the TM-T70 has advanced text, graphics and barcode printing capability. Unlike many other printers, the TM-T70 boasts the same quiet, high, print speed for both text and graphics.

ROBUST, RELIABLE, FLEXIBLE

The compact TM-T70 includes an external rear splash cover for increased spill resistance, enhanced cable management system and full auto status back reporting.

INTEGRATION AND INSTALLATION MADE EASY

The TM-T70 offers increased connectivity for seamless integration with your existing retail systems. Interface options are available for high-speed USB, serial, parallel, powered USB, Ethernet and wireless. It benefits from new drivers including OPOS ADK, Java and Windows advanced printer driver.

Print method	Thermal line printing
Print Font	12 x 24 / 9 x 17
Column capacity (col)	42 / 56
Character size (mm)	1.1(w)x2.1(h) / 1.5(w)x3(h)
Character set	95 Alphanumeric, 48 International, 128 x 11 graphic Barcode: 9 one-dimensional, 3 two-dimensional
Characters per inch	20.0 cpi / 15.0 cpi
Interfaces	RS-232, RS-485, Parallel, USB, Powered USB, Ethernet 10 Base - 100 Base TX, IEEE 802.11b
Data buffer	4 KB or 45 Bytes selectable
Print speed	170 mm / sec.
Paper Dimensions (mm)	79.5 ± 0.5mm x 93
Thickness (mm)	0.06 ~ 0.07
Power	24 VDC
Power consumption	1.8 A (mean)
D.K.D. function	2 drivers in 1 port
Reliability MTBF	36 x 10 ⁶ hours
MCBF	52 million lines
Overall dimensions (mm)	125 mm x 194 mm x 114 mm (W x D x H)
Mass (approx.)	1.8 kg
EMC standards	Class A, FCC class A, CE marking, EN55022 Class B, 55024, Canada EMI, AS / NZS 3548 Class B
Power supply	External PS-180
Safety standards	UL / CSA, TUV (EN60950-1)



EPSON TM-T88IV

THERMAL PRINTER

FAST AND VERSATILE PRINTING

The TM-T88IV prints receipt at speeds of up to 200 mm per second for both text and graphics – 30% faster than the TM-T88III. With advanced graphic and two dimensional code (PDF417 and QR code) printing capability, this printer provides highly customised receipts including logos and promotional messages. Its flexible page mode gives you a choice of receipt layouts.

HIGH RELIABILITY

With an MCBF of 52 million lines of receipt printing, the TM-T88IV delivers outstanding reliability that is rugged enough for the high volume environments.

COMPACT DESIGN

The TM-T88IV has a small footprint that allows for flexible placement on your counter or wall using an optional wall-hanging bracket, freeing up valuable counter space. Furthermore, the TM-T88IV offers an improved paper cover design for increased spill resistance. Two case colours (Epson cool white or Epson dark gray) are available to suit your needs.

Print method	Thermal line printing
Print Font	9 x 17 / 12 x 24
Column capacity (col)	56 / 42
Character size (mm)	0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H)
Character set	95 Alphanumeric, 37 International, 128 x 11 Graphic Traditional / Simplified Chinese, Korean Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR
Characters per inch	Two-dimensional code: PDF417, QRCode 20.0 cpi / 15.0 cpi
Interfaces	RS-232, bi-directional parallel Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer	4 KB or 45 bytes
Print speed	Max. 200 mm / sec.
Paper Dimensions (mm)	Roll paper: 79.5 ± 0.5 (W) x dia. 83.0
Thickness (mm)	0.06 to 0.07
Power	24 VDC ± 7%
Power consumption	Approx. 1.8 A (mean)
D.K.D. function	2 drivers
Reliability MTBF	360,000 hours
MCBF	52,000,000 lines
Overall dimensions (mm)	145 (W) x 195 (D) x 148 (H)
Mass (approx.)	1.8 kg
EMC standards	FCC, VCCI class A CE marking, AS / NZS CISPR22 class B
Power supply	PS-180 (option)
Option	Wall-hanging bracket WH-10
Safety standards	UL / CSA / EN



EPSON TM-L90

HIGH SPEED AND PERFORMANCE

They don't come much faster than the TM-L90, Epson's popular counter-based label printer. Printing at an impressive 150 mm / sec., users can also enjoy the benefits of barcode and 2-colour labels.



THERMAL LABEL PRINTER

Print method	Thermal line printing
Print Font	9 x 17 / 12 x 24
Column capacity (col)	64 / 48
Character size (mm)	1.1 (W) x 2.1 (H) / 1.5 (W) x 3.0 (H)
Character set	95 Alphanumeric, 37 International, 128 x 11 Graphic, Barcode: UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), CODE39, CODE93, CODE128, ITF, CODABAR, Two-dimensional code: PDF417, MaxiCode, QRCode
Characters per inch	22.6 cpi / 16.9 cpi
Interfaces	RS-232, bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer	4 KB or 45 bytes
Print speed	Max. 150 mm / sec.
Paper Dimensions (mm)	Roll paper: Max. 79.5 ± 0.5 x dia. 90.0
Thickness (mm)	0.06 ~ 0.15
Power	24 VDC ± 7%
Power consumption	Approx. 1.7 A (mean)
D.K.D. function	2 drivers
Reliability MTBF	360,000 hours
MCBF	70,000,000 lines (when printing receipt)
Overall dimensions (mm)	140 (W) x 148 (D) x 203 (H)
Mass (approx.)	1.9 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	PS-180 (option)
Option	Wall-hanging bracket WH-10
Safety standards	UL / CSA / EN

EPSON TM-T90

HIGH PERFORMANCE

The Epson TM-T90 is designed with customer satisfaction in mind. With its astonishing speed, beautiful 2-colour printing, and extraordinary versatility, you can be sure that the TM-T90 won't let you down.

VERSATILE AND EASY TO USE

A simple drop-in loading system means that even inexperienced operators can load paper rolls with the minimum of effort. Capable of handling paper rolls of up to 102 mm in diameter, the compact TM-T90 can be unobtrusively located in any retail environment.



THERMAL PRINTER

Print method	Thermal line printing
Print Font	9 x 17 / 12 x 24
Column capacity (col)	56 / 42
Character size (mm)	1.3 (W) x 2.4 (H) / 1.7 (W) x 3.4 (H)
Character set	95 Alphanumeric, 37 International, 128 x 11 Graphic, Barcode: UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), CODE39, CODE93, CODE128, ITF, CODABAR, Two-dimensional code: PDF417
Characters per inch	20.0 cpi / 15.0 cpi
Interfaces	RS-232, bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer	4 KB or 45 bytes
Print speed	Max. 170 mm / sec.
Paper Dimensions (mm)	Roll paper: Max. 79.5 ± 0.5 x dia. 102.0
Thickness (mm)	0.06 ~ 0.08
Power	24 VDC ± 7%
Power consumption	Approx. 1.7 A (mean)
D.K.D. function	2 drivers
Reliability MTBF	360,000 hours
MCBF	70,000,000 lines
Overall dimensions (mm)	140 (W) x 201 (D) x 148 (H)
Mass (approx.)	1.8 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	PS-180 (option)
Option	Wall-hanging bracket WH-10
Safety standards	UL / CSA / EN

HYBRID PRINTERS

Hybrid printers allow retailers to enjoy the benefits of both impact and thermal printing. Including the digital cheque imaging function now offered with the TM-H6000III, Epson's powerful range of hybrid printers are designed to fit a wide variety of user needs.

EPSON TM-H6000III

ULTRA-FAST THERMAL RECEIPT PRINTING

The TM-H6000III prints receipt at speeds of up to 200 mm / sec. – 15 % faster than the TM-H6000II. With two-colour*, advanced graphic and barcode printing capability, this printer provides highly customised receipts including logos and promotional messages.

*To print in two colours, users must load dedicated thermal paper and set the printer to the two-colour printing mode.

CHEQUE PRINTING CONVENIENCE

Enables quick printing and endorsement of cheques in a single pass. This eliminates the need to reverse the cheque and shortens cheque printing time, which means faster transaction and throughput times.



HYBRID PRINTER

IMPROVED RELIABILITY

With an improved MCBF of 72 million lines of receipt printing, the TM-H6000III delivers outstanding reliability that is rugged enough for the high-volume environments.

Print method	Receipt: Thermal line printing, Slip: 9-pin serial impact dot matrix E / P: 8-pin shuttle impact dot matrix
Print Font	Receipt: 9 x 17 / 12 x 24, Slip: 5 x 9 / 7 x 9, E / P: 5 x 7
Column capacity (col)	Receipt: 56 / 42, Slip: 45 / 60, E / P: 40
Character size (mm)	Receipt: 0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H) Slip: 1.24 (W) x 3.1 (H) / 1.56 (W) x 3.1 (H) E / P: 1.1 (W) x 2.42 (H)
Character set	Receipt / Slip: 95 Alphanumeric, 37 International. Receipt: 128 x 11 Graphic. Slip: 128 x 12 graphic. Bar code: UPC-A, UPC-E, JAN13 (EAN13), JAN8 (EAN8), CODE 39, CODE 93, CODE 128, ITF, CODABAR. Two-dimensional code: PDF417 (receipt only).
Characters per inch	Slip: 13.3 cpi / 17.8 cpi
Interfaces	RS-232, bi-directional parallel. Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer	4 KB or 45 bytes
Print speed	Receipt: Max. 200 mm / sec. Slip: Approx. 5.7 lps (at 40 columns, 17.8 cpi) E / P: Approx. 1.9 lps
Paper Dimensions (mm)	Receipt: Thermal roll paper 79.5 ± 0.5 (W) x dia. 83.0 Slip & E / P: 68 to 230 x 68 to 297 mm (W x L) NOTE: The minimum paper size is 68 x 152 mm
Thickness (mm)	Receipt: 0.06 to 0.09, Slip: 0.09 to 0.31 E / P: 0.09 to 0.2
Copy capability	Slip: One original and three copies. E / P: One original single ply
Inked ribbon	Slip: ERC-32 (Black), E / P: ERC-41 (Black)
Ribbon life	Slip: 4,000,000 characters
Inked ribbon	E / P: 800,000 characters
Power	24 VDC ± 10%
Power consumption	Receipt: Approx. 1.8 A . Slip: Approx. 1.7 A
D.K.D. function	2 drivers
Reliability MTBF	Receipt: 360,000 hours. Slip: 180,000 hours.
MCBF	Receipt: 72,000,000 lines, Slip: 18,000,000 lines
Overall dimensions (mm)	186 (W) x 298 (D) x 185 (H)
Mass (approx.)	5.3 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548
Power supply	PS-180 (option)
Factory options	MICR device, endorsement printer (E / P)
Safety standards	UL / CSA / EN

EPSON TM-H6000III WITH CARD SCANNER

SCAN AND CAPTURE ID CARDS

TM-H6000III with card scanner offers not only high speed with two colour receipt printing and superior slip printing but also scanning and capturing customer's ID card. In just a few seconds for scanning and capturing the customer's ID card, you can store customer ID card image at the point of sales.



FRAUD DETERRENT

TM-H6000III with card scanner can scan the customer's ID card at checkout, and ID collection is one of the most powerful deterrents to cheque fraud and fits the ID verification laws for every required item.

CARD SCANNER SPECIFICATIONS

Scanner type	Contact image sensor (CIS)
Resolution	200 dpi (H) x 200 dpi (V)
Gradation	256-level gray scale
Scanning area	56 x 90 mm
Scanning speed	120 mm / sec.
Data compression method	JPEG
Data transmission format	JFIF (JPEG file format) (If the data is transmitted without compressing data, raw data, BMP format, or TIFF format)

CARD SPECIFICATIONS

Type of card	Based on ISO/IEC7810 (except a card with embossing)
Card size	53.92 to 54.18 mm (W) x 85.47 to 85.90 mm (L) (Card type: ID-1)
Card thickness	0.5 to 0.84 mm
Curvature of card	2 mm or less (ISO/IEC7810)

EPSON TM-H6000III WITH CHEQUE SCANNER

DIGITAL CHEQUE IMAGING TOOL

The popular TM-H6000III is now available with an exclusive new feature an image scanner that uses digital cheque imaging technology.

LEADING TECHNOLOGY

The TM-H6000III with cheque scanner converts cheque to electronic data that can be sent to financial institutions. Leading technologies employed in this system include high quality bi-tonal (black/white) or gray scale imaging and high-performance, intelligent data compression.

IMPROVED EFFICIENCY

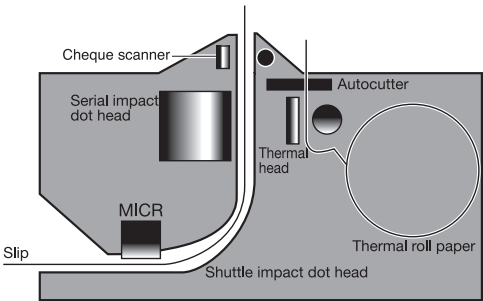
Adding an image scanner to the MICR* and cheque endorsement capability of the TM-H6000III, reduces the retailer's workload at the end of the day.

*Magnetic Ink Character Recognition.



CHEQUE SCANNER SPECIFICATIONS

Scanner type	Contact image sensor (CIS)
Resolution	200 dpi
Gradation	Bi-tonal (black / white) or gray scale are selectable with a command.
Scanning speed	120 mm / sec.
Data compression method	Bi-tonal: CCITT / group 4, Gray scale: JPEG
Data transmission format	Bi-tonal: TIFF (If the data is transmitted without compressing data, raw data or BMP format.) Gray scale: JFIF (JPEG file format) (If the data is transmitted without compressing data, raw data, BMP format, or TIFF format.)
Memory for scanning	4M bytes
Scanning area	Width: Max. 100 mm, Length: Max. 230 mm
Non scanable area	Max. 2 mm from cheque bottom edge Max. 5 mm from cheque right edge Max. 1.5 mm from cheque left edge
Mechanism life	240,000 passes (when used with US personal cheques)



EPSON TM-H5000II

THERMAL AND DOT OUTPUT

This provides application versatility with thermal and dot matrix output. It also includes a speedy 120-mm / sec. receipt printing, and ladder and fence barcode printing.

WIDE SLIP PRINTING

Packed with exciting features, the TM-H5000II prints slips up to a width of 88 columns, with one original and four copies.



HYBRID PRINTER

Print method	Receipt: Thermal line printing, Slip: 9-pin serial impact dot matrix
Print Font	Receipt: 9 x 17 / 12 x 24, Slip: 7 x 9 / 9 x 9
Column capacity (col)	Receipt: 56 / 42, Slip: 88 / 66
Character size (mm)	Receipt: 0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H), Slip: 1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
Character set	95 Alphanumeric, 32 International, 128 x 8 Graphic (Receipt) 128 x 10 Graphic (Slip) Traditional / Simplified Chinese, Thai, Japanese
Characters per inch	Receipt: 20.0 cpi / 15.0 cpi, Slip: 16.7 cpi / 12.5 cpi
Interfaces	RS-232, bi-directional parallel. Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer	4 KB or 45 bytes
Print speed	Receipt: 120 mm / sec. (38 lps, 1/8" conversion). Slip: 311 / 233 cps
Paper Dimensions (mm)	Receipt: Thermal roll paper 79.5 ± 0.5 (W) x dia. 83.0, Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L)
Thickness (mm)	Receipt: 0.06 to 0.07, Slip: 0.09 to 0.2, (total thickness: ~ 0.36)
Copy capability	Slip: One original and four copies
Inked ribbon	ERC-31 (Black)
Ribbon life	4,500,000 characters
Power	24 VDC ± 10%
Power consumption	Receipt: Approx. 1.7 A, Slip: Approx. 1.9 A
D.K.D. function	2 drivers
Reliability MTBF	Receipt: 360,000 hours, Slip: 180,000 hours
MCBF	Receipt: 52,000,000 lines, Slip: 29,000,000 lines
Overall dimensions (mm)	252 (W) x 331 (D) x 201 (H), (excluding extended table)
Mass (approx.)	6.5 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	PS-180 (option)
Factory options	MICR device
Safety standards	UL / CSA / EN

IMPACT PRINTERS

Widely used for receipt printing, dot matrix printers are the only choice when the demand is for multi-part output. Other dot matrix printer benefits include exceptional durability that keeps maintenance costs low and economical operation. And the printing ribbon needs to be changed only occasionally. With Epson dot matrix printers, you also get high quality results thanks to the 9-pin heads.

EPSON TM-U220 SERIES

THE TM-U220 — THE NEW INDUSTRY-WIDE STANDARD IN PRINTING

The TM-U220 is the easy to use yet powerful successor to the TM-U210, whose ease-of-use and reliability have made it an overwhelming favourite around the world.

OUTSTANDING COMPATIBILITY

The TM-U220 printers are designed to be compatible with existing systems built around a TM-U210. These systems can be upgraded simply by dropping in a TM-U220. Moreover, since the external dimensions are nearly identical, there is no need to change the installation environment. The transition to the new model is as smooth as can be.

EASY OPERATION

Free busy operators from troublesome roll paper and ribbon cassette replacement. The TM-U220 makes these chores a snap. Simply pop the cover, drop in the paper or ribbon, shut the cover. You're back in business.



HIGHER PRINTING SPEED

A full 30% faster than its predecessors, the TM-U220 printers provide high-efficiency throughput. Retailers can hand receipts to customers faster. Restaurant kitchens can receive orders quickly.

SUPERIOR VERSATILITY

The versatile TM-U220 suits a wide range of needs and applications. Each type is powerful, yet compact enough to fit in confined spaces. The wall-mountable Type B and Type D free up valuable counter space in kitchens and other tight locations. Moreover, both Type B and Type D handle your choice of 58, 69, or 76 mm width roll paper.

MODEL ITEM	STANDARD DEVICE / UNIT	APPLICATIONS	APPEARANCE
Type A	Take up / automatic cutter	Receipt and journal printer	
Type B	Automatic cutter	Kitchen receipt / ticket	
Type D		Receipt	

IMPACT PRINTER

Print method	9-pin, serial impact dot matrix
Print Font	7 x 9 / 9 x 9
Column capacity (col)	40 / 42 or 33 / 35
Character size (mm)	1.2 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
Character set	95 Alphanumeric, 48 International, 128 x 12 Graphic Traditional / simplified Chinese, Thai, Japanese, Korean
Characters per inch	17.8 / 16 cpi or 14.5 / 13.3 cpi
Interfaces	RS-232, bi-directional parallel, dealer option: USB, 10 Base-T I/F
Data buffer	4 KB or 40 bytes
Print speed	4.7 lps (at 40 columns, 16 cpi), 6.0 lps (at 30 columns, 16 cpi)
Paper Dimensions (mm)	Roll paper: 57.5 ± 0.5, 69.5 ± 0.5, 76.0 ± 0.5, (W) x dia. 83.0
Thickness (mm)	0.06 to 0.085
Ribbon life	Black: 3,000,000 characters B / R: 1,500,000 characters (Black) / 750,000 characters (Red)
Power	AC adapter (included)
Power consumption	Approx. 31 W
D.K.D. function	2 drivers
Reliability MTBF	180,000 hours
MCBF	18,000,000 lines
Overall dimensions (mm)	Type A: 160 (W) x 286 (D) x 157.5 (H) Type B: 160 (W) x 248 (D) x 138.5 (H) Type D: 160 (W) x 248 (D) x 138.5 (H)
Mass (approx.)	Type A: 2.7 kg, Type B: 2.5 kg, Type D: 2.3 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	Exclusive AC adapter (included)
Factory options	Near-end sensor
Option	Wall-hanging bracket WH-10
Safety standards	UL / CSA / EN



EPSON TM-U230

WATER RESISTANT AND EASY TO CLEAN

With a water-resistant case and a unique drain channel, the TM-U230 is a perfect addition to any busy kitchen. Its flat surface makes it easy to wipe clean, while a fine coating makes it possible to remove oils, sauces, and other kitchen stains.

FLEXIBLE AND VERSATILE KITCHEN PRINTER

Install the TM-U230 wherever you want: vertically (paper exit at the front), horizontally (paper exit on top), or hanging on the wall (bracket optional). And with Ethernet and USB available as options, you can be sure that the TM-U230 will fit into any kitchen network. Ethernet capability allows this unique kitchen printer to be connected to a large network or an Order Entry System.



Print method	9-pin, serial impact dot matrix
Print Font	7 x 9 / 9 x 9
Column capacity (col)	40 / 42 or 33 / 35
Character size (mm)	1.2 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
Character set	95 Alphanumeric, 37 International, 128 x 8 graphic
Characters per inch	Traditional / Simplified Chinese, Korean 16 or 17.8 cpi, 13.3 or 14.5 cpi
Interfaces	RS-232, bi-directional parallel, 10 Base-T I/F Dealer option: RS-485, USB
Data buffer	1 KB / 16 KB
Print speed	3.5 lps (at 40 columns, 16 cpi) 6.4 lps (at 16 columns, 16 cpi)
Paper Dimensions (mm)	Roll paper: 76.0 ± 0.5 (W) x dia. 83.0
Thickness (mm)	0.06 to 0.085
Inked ribbon	ERC-38 (Black, Black / Red)
Ribbon life	Black: 3,000,000 characters B / R: 1,500,000 characters (Black) / 750,000 characters (Red)
Power	24 ~ 34 VDC
Power consumption	Approx. 43 W
D.K.D. function	2 drivers
Reliability MTBF	180,000 hours
MCBF	18,000,000 lines
Overall dimensions (mm)	Type A: 166 (W) x 168 (D) x 259 (H)
Mass (approx.)	2.8 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	Power supply built-in model / Power supply separate
Factory options	Near-end sensor
Option	Wall-hanging bracket WH-10
Safety standards	UL / CSA / EN

EPSON TM-U950

OUTSTANDING PERFORMANCE AND VERSATILITY

Prints everything from slips and receipts to journals. Ultra-fast output of up to 88 columns on A4-size paper with bi-directional, logic-seeking printing.

RELIABILITY AND CONVENIENCE

The reliability is there. Plus a wide range of handy features including automatic paper cutting and easy paper loading and ribbon changing.



Print method	9-pin, serial impact dot matrix
Print Font	7 x 9 / 9 x 9
Column capacity (col)	Receipt (Journal): 40 / 30, Slip: 88 / 66
Character size (mm)	1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
Character set	95 Alphanumeric, 32 International, 128 x 9 Graphic
Characters per inch	16.7 cpi / 12.5 cpi
Interfaces	RS-232, bi-directional parallel
Data buffer	2 KB / 32 bytes
Print speed	311 / 233 cps
Paper Dimensions (mm)	Receipt (Journal): Roll paper: 69.5 ± 0.5 (W) x dia. 83.0
Thickness (mm)	Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L) Receipt (journal): 0.06 to 0.09 Slip: 0.09 to 0.36
Inked ribbon	ERC-31 (Black)
Ribbon life	4,500,000 characters
Power	24 VDC ± 10%
Power consumption	Approx. 1.8 A (mean)
D.K.D. function	2 drivers
Reliability MTBF	180,000 hours
MCBF	18,000,000 lines
Overall dimensions (mm)	251 (W) x 298 (D) x 194.5 (H)
Mass (approx.)	5.6 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	PS-180 (option)
Factory options	MICR device
Safety standards	UL / CSA / EN

EPSON TM-U675

FAST AND SUPER QUIET

Throughput is fast thanks to bi-directional minimum distance printing. Quieter than other impact dot matrix printers of its class.

HANDY FEATURES

ASB (Automatic Status Back) function automatically transmits changes in printer status.

Also offers the convenience of two-way paper loading.



IMPACT PRINTER

Print method	9-pin, serial impact dot matrix
Print Font	5 x 9 / 7 x 9
Column capacity (col)	Receipt: 37 / 50, Slip / Validation: 45 / 60
Character size (mm)	1.56 (W) x 3.1 (H) / 1.24 (W) x 3.1 (H)
Character set	95 Alphanumeric, 37 International, 128 x 12 Graphic Traditional / Simplified Chinese, Korean
Characters per inch	13.3 cpi / 17.8 cpi
Interfaces	RS-232, bi-directional parallel RS-485, USB, 10 Base-T I/F
Data buffer	4 KB or 45 bytes
Print speed	Approx. 5.14 lps (at 40 columns, 17.8 cpi)
Paper Dimensions (mm)	Roll paper: 82.5 / 76.0 ±0.5 (W) x dia. 83.0
Thickness (mm)	Roll paper: 0.06 to 0.085 / sheet
Inked ribbon	ERC-32 (Black)
Ribbon life	4,000,000 characters
Power	24 VDC ±10%
Power consumption	Approx. 1.8 A (mean)
D.K.D. function	2 drivers
Reliability MTBF	180,000 hours
MCBF	37,000,000 lines
Overall dimensions (mm)	186 (W) x 298 (D) x 195 (H)
Mass (approx.)	5.8 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	PS-180 (option)
Factory options	MICR device, autocutter
Safety standards	UL / CSA / EN

EPSON TM-U325

VERSATILE PRINTING

Receipt printing and multi-line validation up to 9 lines from a compact, space-saving unit.

QUIET, FAST OUTPUT

Designed for environments where quiet operation is a must. Features logic-seeking control for fast 6.4 lps receipt and multi-line validation printing.



IMPACT PRINTER

Print method	9-pin, serial impact dot matrix
Print Font	7 x 9 / 9 x 9
Column capacity (col)	40 / 42 or 33 / 35 (3 half dots / 2 half dots space)
Character size (mm)	1.2 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
Character set	95 Alphanumeric / 32 International, 128 x 8 Graphic
Characters per inch	16 or 17.8 cpi / 13.3 or 14.5 cpi
Interfaces	RS-232, bi-directional parallel Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer	4 KB or 45 bytes
Print speed	Approx. 3.5 lps (at 40 columns, 16 cpi) Approx. 6.4 lps (at 16 columns, 16 cpi)
Paper Dimensions (mm)	Receipt: 76.0 ± 0.5 (W) x dia. 83.0
Thickness (mm)	Validation: 135 (W) x 70 (L) to 182 (W) x 182 (L) Receipt: 0.06 to 0.085 (total thickness: 0.2mm or less) Validation: 0.09 to 0.12 (total thickness 0.09 to 0.31)
Copy capability	One original and two copies
Inked ribbon	ERC-38 (Black)
Ribbon life	3,000,000 characters
Power	AC adapter (included)
Power consumption	Approx. 43 W
D.K.D. function	2 drivers
Reliability MTBF	180,000 hours
MCBF	49,000,000 lines
Overall dimensions (mm)	164 (W) x 240 (D) x 136 (H)
Mass (approx.)	2.3 kg
EMC standards	FCC class A
Power supply	Exclusive AC adapter (included)
Safety standards	UL / CSA / EN

EPSON TM-U590

VERSATILE PRINTING

Designed to handle virtually any printing task including output of slips up to 88 columns wide.

Can also provide four copies with one original.

USER-FRIENDLY

Complete with the ESC/POS® command system for smooth, error-free operation. Printer operation status provided by the Automatic Status Back function.



IMPACT PRINTER

Print method	9-pin, serial impact dot matrix
Print font	7 x 9 / 9 x 9
Column capacity (columns)	88 / 66
Character size (mm)	1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
Character set	95 Alphanumeric, 32 international, 128 x 10 graphic
Characters per inch	16.7 cpi / 12.5 cpi
Interfaces	RS-232, bi-directional parallel Dealer option: RS-485, USB, 10
Data buffer	4 KB or 69 bytes
Print speed	311 / 233 cps
Paper dimensions (mm)	70 (W) x 70 (L) to 210 (W) x 297 (L)
Thickness (mm)	0.09 to 0.2 (total thickness: ~ 0.36)
Copy capability	One original and two copies
Inked ribbon	ERC-31 (Black)
Ribbon life	4,500,000 characters
Power	24 VDC ± 10%
Power consumption	Approx. 1.9 A (mean)
D.K.D. function	2 drivers
Reliability MTBF	180,000 hours
MCBF	29,000,000 lines
Overall dimensions (mm)	252 (W) x 266 (D) x 185 (H)
Mass (approx.)	5 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	PS-180 (option)
Safety standards	UL / CSA / EN

EPSON TM-U295

WORLD'S SMALLEST SLIP PRINTER

Combines printing versatility and ultra-compact, space-saving design.

PRINTING VERSATILITY

Provides a choice of character sizes, and enables printing in four directions.



IMPACT PRINTER

Print method	7-pin, shuttle impact dot matrix
Print font	5 x 7 / 7 x 7
Column capacity (columns)	35 / 42
Character size (mm)	1.6 (W) x 2.9 (H) / 1.3 (W) x 2.9 (H)
Character set	95 Alphanumeric, 32 international, 128 x 4 graphic
Characters per inch	13.5 cpi / 16.2 cpi
Interfaces	RS-232, bi-directional parallel
Data buffer	512 bytes or 35 bytes
Print speed	1.9 ~ 2.3 lps
Paper dimensions (mm)	80 (W) x 69 (L) to 182 (W) x 257 (L)
Thickness (mm)	0.09 to 0.25 (total thickness with copy: ~ 0.35)
Copy capability	One original and two copies
Inked ribbon	ERC-27 (Black)
Ribbon life	1,000,000 characters
Power	24 VDC ± 10%
Power consumption	Approx. 600 mA (mean)
D.K.D. function	2 drivers
Reliability MTBF	180,000 hours
MCBF	7,000,000 lines
Overall dimensions (mm)	180 (W) x 190.5 (D) x 101.5 (H)
Mass (approx.)	1.6 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply	PS-180 (option)
Safety standards	UL / CSA / EN

DISPLAYS

Epson DM Series displays provide customers with exceptionally clear, easy-to-read indications at a comfortable height and viewing angle. They are also ready to provide graphic displays as well as text. And compliance with safety standards worldwide means they can be used virtually anywhere. Additional valuable features include an extensive font table, direct connection to any terminal, and ESC/POS® control commands for easy downloading of user-defined characters.

Two case colours (Epson Cool White and Epson Dark Gray) are available to suit your needs.

EPSON DM-D500 SERIES



256 X 64 DOT MATRIX DISPLAY

Provides clear, easy-to-read display of up to 8 lines of text. Up-down, left / right adjustability of indications assures optimum viewing angle.

GRAPHIC DISPLAY

The DM-D500 can also display pictures and illustrations, an ideal feature for advertising and when running a campaign. Vertical and horizontal scrolling of both text and graphics is also possible.

A CHOICE OF STANDS

Five types of stand are available to meet different application needs.



OPTIONS

POWER SUPPLY

PS-180
Input: 100~240V AC
Output: 24 VDC, 2.0 A
Plug: 3P Power jack
Safety standards: UL, CSA, TÜV



POLE UNIT

DP-105
254 (H) X DIA. 35MM



EPSON DM-D110 SERIES



SMALL AND EASY-TO-READ

Panel and height adjustment possible with optional support. Ideal for restaurants and specialty stores.



EPSON DM-D210 SERIES



CLIENT-FRIENDLY

Offers large, easy-to-read, 20-column, 2-line indications. Up / down, left / right adjustable display panel assures optimum viewing angle.



SPECIFICATIONS

Item	DM-500 Series	DM-D110 Series	DM-210 Series
Display method / colour	Vacuum fluorescent display / Green (505 mm)	Vacuum fluorescent display / Green (505 mm)	
Number of characters	Max. 336 (42 columns x 8 lines)	40 (20 columns x 2 lines)	
Brightness	300 cd / m ²	690 cd / m ²	700 cd / m ²
Character type	95 Alphanumeric characters / 37 International characters Graphic characters: 128 x 12 pages, Kanji characters	95 Alphanumeric characters / 37 International characters Graphic characters: 128 x 12 pages	
Character font	5 x 7 dot matrix, 8 x 16, 16 x 16 dot matrix	5 x 7 dot matrix, cursor	5 x 7 dot matrix, comma, decimal point, annunciator
Character size / pitch		3.5 x 5.0 mm / 5.2 mm	6.5 x 11.3 mm / 9.9 mm
Reliability	Expected Life 30,000 hours	Expected Life 20,000 hours	
Power / current consumption	11.4 - 48 VDC / Max. 6W	11.4 - 48 VDC / Max. 5W, 5VDC / Max. 2.5W (USB Type)	11.4 - 48 VDC / Max. 10W
Overall dimensions (panel)	213 (W) x 51 (D) x 76 (H) mm	165 (W) x 50.5 (D) x 69 (H) mm	260 (W) x 60 (D) x 83 (H) mm
Viewing angle	Max. 48° (5 positions)		
Horizontal rotation	Max. 90° (combination with DP-501 / DP-110)		
Case colour	ECW (Epson Cool White), EDG (Epson Dark Gray)		
EMC standards	VCCI class A, FCC class A, CE marking, AS/NZS 3548 (CISPR22) class B		
Safety standards	UL / CSA / EN		
Power supply	PS-180 / Supplied by a TM printer or IR / SR		
Interface	RS-232	RS-232 / USB	RS-232

OPTIONS

POWER SUPPLY

PS-180

Input	Output	Plug	Safety standard		
100 to 240 V AC	24 VDC, 2.0 A	3P power jack	UL	CSA	TÜV
			●	●	●



CUSTOMER DISPLAY

DM-D SERIES



RIBBON CASSETTES

ERC-38

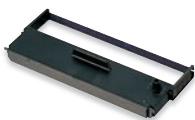
for TM-U220,
TM-U375,
TM-U325,
TM-U230
(Black, Black / Red)



*An Epson ribbon is recommended.

ERC-31

for TM-U950,
TM-U590,
TM-H5000II (Black)



ERC-27

for TM-U295 (Black)



ERC-32

for TM-H6000III,
TM-U675 (Black)



ERC-41

for TM-H6000III
(Endorsement
printer) (Black)



INK CARTRIDGES

SJIC3

for TM-J2100
(Black)



SJIC4

for TM-J2100
(Red, Green, Blue)
Used with SJIC3



SJIC5

for TM-J2000 (Black)



SJIC6

for TM-J7100,
TM-J7600,
TM-J9100 (Black)



SJIC7

for TM-J7100,
TM-J7600,
TM-J9100
(Red, Green, Blue) Used with SJIC6



SJIC8

for TM-J7000,
TM-J7500,
TM-J9000 (Black)



SJIC9P

for TM-C100
(Cyan, Magenta,
Yellow, Black)



SJIC10P(K)

for TM-C100 (Black)



ACCESSORIES

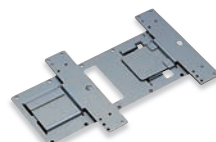
DC-21

DC cable set
(for TM series)



WH-10

Wall-hanging bracket
for TM-T90 / L90,
TM-T88IV, TM-U230,
TM-U220



WT-5000

Extension table for
TM-H5000II



EXPANDABILITY

UB-S01/02



UB-P02II



UB-U02III



UB-U04/U06



UB-E02



UB-R03



Multiple Interfaces

TM Series printers feature a wide range of interfaces, including USB and Ethernet interfaces. Besides satisfying current customer needs, these enable easy upgrading in the future, an important consideration for growing businesses.

	UB-S01	UB-S02	UB-S09	UB-P02II	UB-U01III	UB-U02III	UB-U04/U06	UB-E02	UB-R03
Data transfer format	RS-232	RS-485	RS-232	IEEE1284	USB	USB	USB W / Power	10/100BASE-TX	IEEE802.11b
Remarks			With DM-D connector		With hub and DM-D connector	With DM-D connector	24 VDC		

For the other various options, please contact your Epson representative.

EPSON DISCPRODUCER™

For many companies, the need to burn and print CDs and DVDs, either individually or in batches, is becoming increasingly important. Whether you're an agency, a public organisation or an independent duplication service, you'll find the Epson Discproducer™ PP-100 will save time, add flexibility, enhance security and reduce process costs.

EPSON PP-100

SUPERB RELIABILITY

With a solid and dust-proof body, the Epson Discproducer™ offers a long lifespan, superb reliability, intuitive operation and high economy, with an incredible print capacity of over 1,000 prints per set of ink cartridges.

OUTSTANDING PRINT QUALITY

The best print technology in its class! Using 6-colour Micro Piezo™ Technology, coupled with WaterShield™ media from world-leader, Taiyo Yuden Co., Ltd. the Epson Discproducer™ delivers vibrant, life-like and razor-sharp prints that are both smudgeproof and water-resistant. Media from other manufacturers are also supported.

COST-EFFECTIVE

Because the Epson Discproducer™ uses a separate cartridge for each colour, you only need to change the cartridges that are near empty. The product also features patented AcuGrip™ robotics to ensure precision handling of CDs / DVDs and eliminate the possibility of damage. The result is an surprisingly low total cost of ownership.

CONVENIENT

The Epson Discproducer™ is as easy to use as an ordinary office printer. It is the only system in its class that offers the ergonomic advantages of total front-operation and status reporting.

HIGH CAPACITY

The Epson Discproducer™ has the ability to duplicate up to 100 CDs / DVDs in a single cycle, and a production capability – depending on data type and volume – of up to 30 units per hour. As a small-run system, the Epson Discproducer™ will reliably deliver high-quality results, year after year.



IDEAL FOR A WIDE RANGE OF APPLICATIONS

DUPLICATION SERVICE

The Epson Discproducer™ is the perfect tool for maximising margins in the rapidly growing media production market. Whether you want to use it for an individual disc or a batch job, its high reliability, superb print quality and cost-effectiveness make it the ideal system for service providers.

CLINICS AND PRACTICES

The switch from analogue X-ray or CT film to digital imaging offers new possibilities for cutting process costs and improving patient service. In areas such as radiology, cardiology, ultrasound and CT imaging, the medical community can supply a better service to its patients through the use of digital data.

CORPORATIONS

Increasingly, sectors such as marketing, sales, product development and customer service need to burn multimedia documents onto CD / DVD. But manual burning and labelling of CD / DVDs – especially short runs – carries a significant labour overhead. Automating the procedure using the Epson Discproducer™ saves considerable time and money, while ensuring that confidential data stays in-house.

ADVERTISING AND PHOTO AGENCIES

The CD / DVD medium plays a dual role within advertising and photo agencies. Not only is it an efficient means of delivering digital content to customers, but creative labelling can be a powerful promotional tool, too. The Epson Discproducer™ uses 6-colour Micro Piezo™ inkjet printing to give agencies a valuable opportunity to showcase their design skills through high-impact labelling.

THE PUBLIC SECTOR

By automating the burning / printing process, the Epson Discproducer™ offers organisations within the public sector a valuable way of reducing costs, streamlining processes and enhancing the quality and efficiency of public services.



EPSON DISCPRODUCER™

Publishing speed (Burn and Print) CD DVD	30 discs / hour, Epson specified CD-R 600 MB data volume, writing speed: Drive max speed 40 x 15 discs / hour, Epson specified DVD-R 3.8 GB data volume, writing speed: Drive max speed 12 x
Publishing modes (number of copies) External output Standard mode Batch mode	1 – 5, 2 stackers and pick-up tray used 1 – 50, 2 stackers used (autom.) 1 – 100, 3 stackers used
Print specifications Speed Head Direction Resolution	60 discs / hour, bidirectional, (Fast mode) 40 discs / hour, bidirectional, (Quality mode) Black ink 180 nozzles, Colour ink 180 nozzles x 5 colours Bidirectional High-speed 1440 dpi x 720 dpi (Fast mode) High-resolution 1440 dpi x 1440 dpi (Quality mode)
Ink cartridge Type Colours Capacity	Dye ink Cyan, Magenta, Yellow, Light cyan, Light magenta, Black 1000 discs or more (Ø 45 – 116 mm, 16.7 % colour sharing, continuous printing, mode setting: Quality)
Print area Max	Ø 18 mm – 119.4 mm
CD / DVD Drives Writing speed	2 drives CD: Maximum 40 x DVD-R, DVD+R: Maximum 12 x DVD-R DL, DVD+R DL: Maximum 8 x
Supported media Size Form Type Surface	Outside diameter: Ø 120 mm ± 0.3 mm Inside diameter: Ø 15 mm + 0.1/-0 mm Thickness: 1.2 mm + 0.3/-0.1 mm Supports common 12 cm (4.7 inch) discs Does not support specially-shaped discs CD-R, DVD-R, DVD+R, DVD-R DL, DVD+R DL Printable (high quality or glossy), for glossy discs only Epson recommended is supported
External dimensions	Width 377 mm, Depth 465 mm, Height 348 mm (Excluding the AC cable and USB cable)
Mass	Approximately 24 Kg (52.9 lb), including the stackers and ink cartridge, excluding the AC cable and discs
Software	Total Disc Maker: Installed to the user's PC to publish discs Total Disc Monitor: Displays the status of JOBs and devices Total Disc Setup: Installed to user's PC to make settings of PP-100 TD Bridge System incorporation tool to use the with other companies' application Adjustment Tool for PP-100
Required IT-environment	OS: Windows XP SP2 or later, Home / Professional, Windows 2000 SP4 or later, Professional, Vista SP1 or later CPU: Pentium 4, 1.4 GHz or higher, Memory: 512 Mbytes or larger HDD: 10 Gbytes or larger, 7200 rpm or more Graphics environment: XGA or more, 65536 colours or more Sound environment: A sound device and a supported driver must be installed for music media USB 2.0 (High-speed) USB port: This product cannot be used in USB port of the PC equipped with some ATI's chipset as follows: ATI's Southbridge IXP (SB)460 or earlier Individual published performance results may vary depending on processing capacity of PC
Interface	Universal Serial Bus Specifications Revision 2.0, Transmission speed: 480 Mbps (High-speed Device)
Electrical Standards CE Marking	Rated voltage: AC 100 V to AC 240, Frequency: 50 Hz to 60 Hz EMC Directive 2004/108/EC, EN55022 Class B, EN61000-3-2 EN60000-3-3, EN55024 Low Voltage Directive 2006/95/EC, EN60950-1 (TÜV)
Warranty	12 months (including drives) on-site 36 months (including drives) on-site optional

System Product Guide 2009

SEIKO EPSON CORPORATION

www.epson-europe.com

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